



Query

The Portfolio Query API allows you to make dynamic portfolio query requests without referencing an Addepar view ID. The **DEVELOPER** API endpoint is used for portfolio integrations that allow end-users to adjust Addepar attribute such as Time Weighted Return.

[Docs](#)

	YTD	1 YR	3 YR	5 YR
0.09%	0.37%	(0.03%)	5.87%	
7.77%	20.78%	9.92%	7.22%	
(10.02%)	(8.25%)	(3.05%)	(0.80%)	
(0.21%)	(0.06%)	(0.23%)	2.09%	
0.00%	0.00%	0.00%	0.00%	
0.00%	0.00%	31.55%	17.88%	
(90.93%)	(90.93%)	(90.93%)	(90.93%)	
0.00%	0.00%	(16.32%)	(10.13%)	
1.10%	4.60%	1.66%	5.19%	
3.04%	3.46%	2.59%	1.84%	
9.04%	23.61%	14.72%	14.12%	
(3.96%)	7.97%	3.01%	5.36%	
4.94%	18.69%	9.77%	10.71%	
(5.66%)	8.73%	5.69%	7.72%	

Analysis View Configuration (In-App)

Resource Overview

The Portfolio Query API returns a resource object described by the below attributes and will appear in successful **POST** responses. A meta-object will also be returned in the response detailing the columns and groupings used in the query.

ATTRIBUTE	DESCRIPTION	EXAMPLE
<code>total</code>	The total portfolio value for each column attribute. Object. null column values are not included.	<pre>{ "name": "Total", "columns": { "time_weighted_return": 0.014858065416061494, "value": 4.394550141172772E8 }</pre>
<code>children</code>	The grouping level values of the query. Includes a value for each column and grouping attribute. Array of Objects.	<pre>{ "name": "Cash & Cash Equivalent", "grouping": "asset_class", "columns": { "time_weighted_return": -0.059294573135900364, "value": 1.144271555999999E7 } }</pre>

Parameters

Required Parameters:

PARAMETER	DESCRIPTION	EXAMPLE
<code>columns</code>	List of column attribute keys with optional arguments. Array of Objects. Omitted arguments will use default values.	
	See Attributes to discover supported attributes.	<code>[{"key": "time_weighted_return"}]</code>
	See Arguments to discover supported attribute arguments.	
<code>groupings</code>	List of grouping attribute keys with optional arguments. Array of Objects. Omitted arguments will use default values.	
	See Attributes to discover supported attributes.	<code>[{"key": "asset_class"}]</code>
	See Arguments to discover supported attribute arguments.	
<code>start_date</code>	The start date of the time period of portfolio data. String. "YYYY-MM-DD"	<code>"2011-12-31"</code>
<code>end_date</code>	The end date of the time period of portfolio data. String. "YYYY-MM-DD"	<code>"2013-01-15"</code>
<code>portfolio_type</code>	The type of portfolio. String. Supported Values: - <code>FIRM</code> - <code>GROUP</code> - <code>ENTITY</code> - <code>FIRM_ACCOUNTS</code> - <code>FIRM_UNVERIFIED_ACCOUNTS</code>	<code>"ENTITY"</code>
	The ID of a portfolio configured in Addepar. Number or [Number].	
<code>portfolio_id</code> or <code>external_ids</code> See below.	A portfolio can be either an entity (i.e. a client, account, legal entity etc.) or a group of entities. If the <code>portfolio_type</code> is <code>FIRM</code> , the <code>portfolio_id</code> must be <code>1</code>	<code>7</code> <code>[22, 24]</code>
<code>external_ids</code>	The external ID of a portfolio configured in Addepar. [String]. See External IDs (Beta) to learn more about External IDs.	<code>[{ "external_type_key": "salesforce", "external_id": "example_salesforce_id" }]</code>

Query Portfolio Data



The [Portfolio Query Builder](#) can be used to convert an analysis view table into a Portfolio Query API request body.

Returns portfolio data based on the given query parameters.

POST /v1/portfolio/query

Example:

REQUEST	RESPONSE
<pre>POST https://examplefirm.addepar.com/api/v1/portfolio/query</pre>	
<pre>{ "data": { "type": "portfolio_query", "attributes": { "columns": [{"key": "time_weighted_return"}], "groupings": [{"key": "asset_class"}], "portfolio_type": "ENTITY", "portfolio_id": [329263, 259910], "start_date": "2018-06-30", "end_date": "2018-09-30" } } }</pre>	

Response Codes:

- 200 OK : Success
- 400 Bad Request : Improperly formatted query or lacking necessary data permissions
- 403 Forbidden : User lacks API permission or has not granted the appropriate scope

Optional Parameters:

PARAMETER	DESCRIPTION	EXAMPLE
<code>filters</code>	A portfolio query filter may be attached to a portfolio query to filter rows from the result. Array of Objects.	<pre>[{"attribute": "asset_class", "type": "discrete", "operator": "include", "values": ["Equity", "Fixed Income"]}]</pre>
<code>hide_previous_holdings</code>	To learn more, reference the Filter Object section below.	
<code>group_by_historical_values</code>	Set to true to exclude holdings not held at end of current period. Boolean. (default: false)	<code>false</code>
<code>group_by_multiple_attribute_values</code>	Set to true to include previous values when grouping on a time varying attribute. Boolean. (default: false)	<code>true</code>
<code>look_through_composite_securities</code>	Set to true to breakout groupings by each value in an attribute with multiple values. Boolean. (default: false)	<code>false</code>
<code>display_account_fees</code>	Set to true to look through components of composite securities (eg. funds). Boolean. (default: false)	<code>false</code>
	Set to true to show account fees. Boolean. (default: false)	<code>false</code>

Example:

REQUEST	RESPONSE
<pre>POST https://examplefirm.addepar.com/api/v1/portfolio/query</pre> <pre>{ "data": { "type": "portfolio_query", "attributes": { "columns": [{ "key": "value" }], "groupings": ["asset_class"], "portfolio_type": "FIRM", "portfolio_id": 1, "start_date": "2020-02-01", "end_date": "2020-06-01", "hide_previous_holdings": true, "group_by_multiple_attribute_values": true } } }</pre>	



The below attributes are currently unsupported:

- Allocation Deviation
- Allocation Deviation (%)
- Benchmark
- Benchmark (Rollup)
- Target Allocation
- Benchmark (Rollup)
- Target Allocation Range

Filter Object

Filters are used in Analysis Views to filter data. For example, to see only equities, you can filter by asset class.

The screenshot shows the Analysis & Reporting module of the Madison Capital software. On the left, there's a sidebar with navigation links like Onboarding, All Firm, PORTFOLIOS, Prospects, Clients, Funds, Groups, Households, Legal Entities, Accounts, OTHER, and Investments. The main area has tabs for Details, Proposals, Analysis, Transactions, Reports, Portal, and Files. The Analysis tab is selected. In the center, there's an 'Asset Table' with columns for HOLDING ACCOUNT, QUANTITY, PRICE, VALUE, COST BASIS, and UNREALIZED GAIN. The table lists several accounts with their respective values. To the right of the table are two charts: 'Adjusted TWR (USD)' which is a line graph showing performance over time, and 'Adjusted Value (USD) grouped by Holding Accou...' which is a pie chart showing the distribution of assets across different categories. A tooltip for the pie chart indicates the breakdown: US Equity - Fidel... 20%, Fixed Income... 11%, International ... 9%, Orbis Fixed Inc... 3%, Other 8%, and Other: New Savings Account (0%), Adam Smith IRA (51011438) (0%), Options Grant Account (1%), Diversified (FO3342) (1%), etc.

Analysis View Filters (In-App)



Date Filters are not currently supported.

Filter Parameters

PARAMETER	DESCRIPTION	EXAMPLE
attribute	The instance of the portfolio query attribute to be filtered on. String.	"asset_class"
type	Specifies the type of filter to be applied, which is based on the output type of the attribute. String. Supported Values: - discrete - number	"discrete"
operator	Specifies the operation of the filter. String. Supported Values (discrete): - include - exclude	"include"
values	List of String values to include or exclude. [String]	["Equity", "Fixed Income"]
ranges	List of to / from pairs. Required for type: number , operator: range	[{"from": 0.01, "to": 10000}, {"from": -10000, "to": -0.01}]
rank_order	Returns either the top or bottom results of the rank filter operation. String. Required for type: number , operator: rank	"top"
rank_value	Supported Values: - top - bottom The # of values to return in the rank filter operation. Number.	10
grouping_attribute	The # of values to return in the rank filter operation. Number. Required for type: number , operator: rank	"asset_class"
unassigned_account_fees	Optional for number. Set to include or exclude unassigned account fees. Boolean. Fees are “unassigned” when the results do not include the asset they’re associated with.	true
	Optional for discrete. Default is true for inclusion filters, false for exclusion.	

Example:

REQUEST RESPONSE

POST https://examplefirm.addepar.com/api/v1/portfolio/query

```
{  
  "data":{  
    "type":"portfolio_query",  
    "attributes":{  
      "columns": [  
        {  
          "key":"cost_basis"  
        }  
      ],  
      "groupings": [  
        {  
          "key":"holding_account"  
        }  
      ],  
      "filters": [  
        {  
          "attribute":"asset_class",  
          "type":"discrete",  
          "operator":"include",  
          "values": [  
            "Equity",  
            "Fixed Income"  
          ]  
        },  
        {  
          "attribute":{  
            "key":"investment_type"  
          },  
          "type":"discrete",  
          "operator":"exclude",  
          "values": [  
            "Hedge Fund"  
          ]  
        }  
      ],  
      "portfolio_type":"GROUP",  
      "portfolio_id":9559,  
      "start_date":"2018-06-30",  
      "end_date":"2018-09-30"  
    }  
  }  
}
```

Arguments

Addepar uses arguments or parameters to modify the settings of a calculation. Some examples are Currency and Adjusted Value for the Value attribute.

The screenshot shows the Addepar Analysis & Reporting interface. On the left, the navigation sidebar includes sections for All Firm, PORTFOLIOS, Prospects, Clients, Funds, Groups, Households, Legal Entities, Accounts, OTHER, Investments, and Contacts. The main area displays a timeline for Adam Smith from 07-27-2020 to 08-27-2020. A modal window titled "Edit Asset Table" is open, showing grouping options like "Security" and columns such as "Adjusted Value (USD)", "Adjusted % Of Portfolio (Visible)", and "Adjusted TWR (Current Quarter, USD)". Below this, a summary table provides YTD, 1 YR, 3 YR, and 5 YR performance metrics for various asset classes.

	YTD	1 YR	3 YR	5 YR
Adjusted Value (USD)	(3%)	5.87%		
Adjusted % Of Portfolio (Visible)	92%	7.22%		
Adjusted Value (Reference Currency)	(0.80%)			
Adjusted TWR (Current Quarter, USD)	23%	2.09%		
Adjusted TWR (YTD, USD)	00%	0.00%		
1 Yr. Adjusted TWR (USD)	55%	17.88%		
3 Yr. Annualized Adjusted TWR (USD)	(90.93%)			
5 Yr. Annualized Adjusted TWR (USD)	(10.13%)			

Adjusted Value (In-App)

Example:

REQUEST RESPONSE

```
POST https://examplefirm.addepar.com/api/v1/portfolio/query
```

```
{  
  "data": {  
    "type": "portfolio_query",  
    "attributes": {  
      "columns": [  
        {  
          "key": "value",  
          "arguments": {  
            "adjusted": true  
          }  
        }  
      ],  
      "groupings": [  
        "asset_class"  
      ],  
      "portfolio_type": "FIRM",  
      "portfolio_id": 1,  
      "start_date": "2020-02-01",  
      "end_date": "2020-06-01"  
    }  
  }  
}
```

Time Arguments

Configuration options that are available for single `time_point` or multiple `time period`, time-dependent attributes, such as TWR.

Time Point Argument Parameters:

Time Point Argument	Description	Value
<code>current</code> (default)	Current Time Point.	"time_point": "current"
<code>P later</code> (<code><rounding_type></code>)	Future Time Point.	"time_point": "P2M later (exact)"
<code>inception</code>	Inception Time Point.	"time_point": "inception"
<code>Not supported</code>	Performance Time Point.	N/A
<code>P ago</code> (<code><rounding_type></code>)	Relative Time Point.	"time_point": "P1Q ago (ceiling)"
<code>starting</code>	Starting Time Point.	"time_point": "starting"
<code><date:YYYY-MM-DD></code>	Static Time Point.	"time_point": "2019-12-31"
<code>P inception</code> (<code><rounding_type></code>)	Time Point From Inception.	"time_point": "P3Y inception (floor)"

Time-Point Arguments (In-App)

PARAMETER	DESCRIPTION	EXAMPLE
<code>current</code> (default)	Current Time Point.	"time_point": "current"
<code>P later</code> (<code><rounding_type></code>)	Future Time Point.	"time_point": "P2M later (exact)"
<code>inception</code>	Inception Time Point.	"time_point": "inception"
<code>Not supported</code>	Performance Time Point.	N/A
<code>P ago</code> (<code><rounding_type></code>)	Relative Time Point.	"time_point": "P1Q ago (ceiling)"
<code>starting</code>	Starting Time Point.	"time_point": "starting"
<code><date:YYYY-MM-DD></code>	Static Time Point.	"time_point": "2019-12-31"
<code>P inception</code> (<code><rounding_type></code>)	Time Point From Inception.	"time_point": "P3Y inception (floor)"

Interval & Rounding Legend:

The screenshot shows the 'Edit Asset Table' dialog box overlaid on the main application interface. The dialog includes sections for 'Groupings' (Asset Class, Security), 'Columns' (Adjusted Value (USD), Adjusted % Of Portfolio (Visible), etc.), and a 'Time Point' section where 'Exact' is selected. The main area displays a table of asset performance data across YTD, 1 YR, 3 YR, and 5 YR periods.

Rounding Values (In-App)

This screenshot is similar to the previous one but focuses on the 'Time Point' dropdown in the 'Editing Value' section of the dialog. The dropdown menu lists several time intervals: Days, Weekdays, Weeks, Months, Quarters, and Years. 'Days' is highlighted as the selected option.

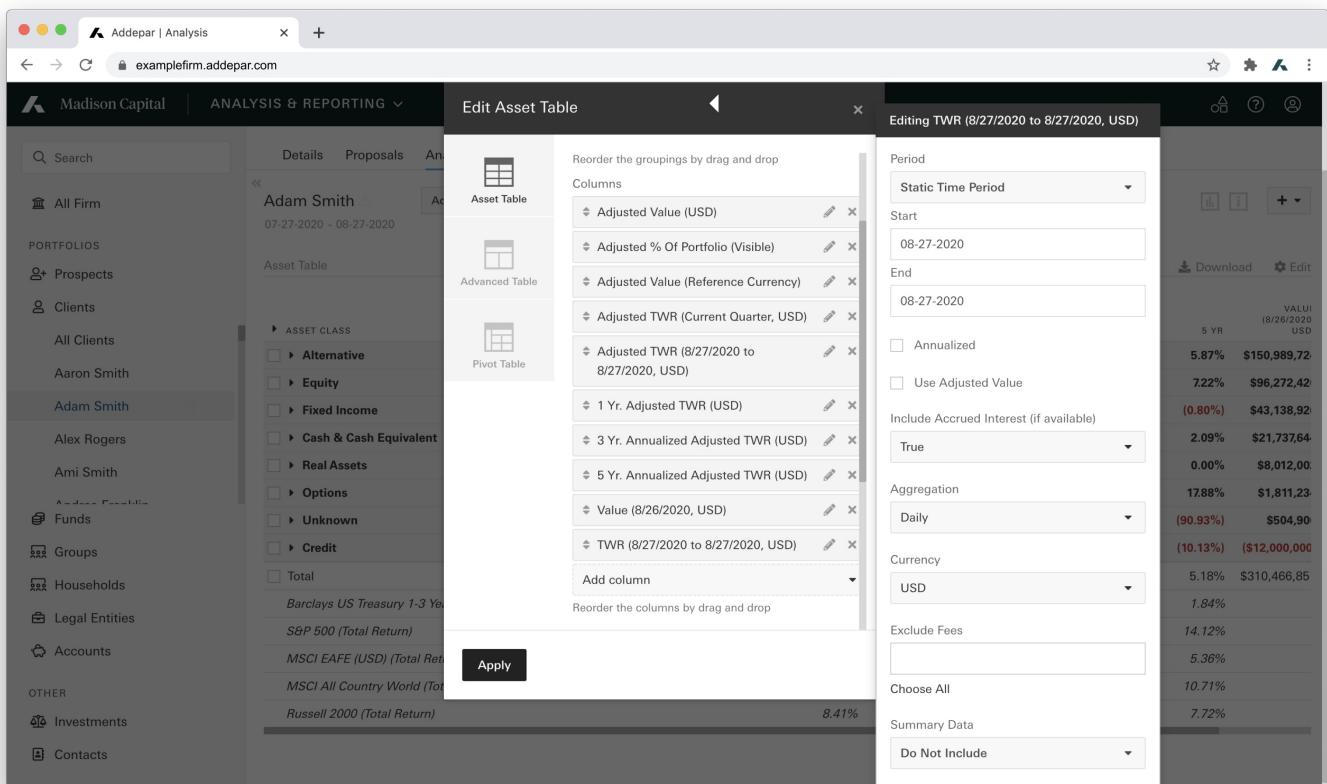
Intervals (In-App)

- ▶ interval values
- ▶ rounding_types values

Example:

REQUEST	RESPONSE
<pre>POST https://examplefirm.addepar.com/api/v1/portfolio/query</pre>	
<pre>{ "data": { "type": "portfolio_query", "attributes": { "columns": [{ "key": "value", "arguments": { "adjusted": true, "time_point": "2019-12-31" } }], "groupings": [{ "key": "asset_class" }], "portfolio_type": "firm", "portfolio_id": 1, "start_date": "2018-06-30", "end_date": "2020-07-01" } } }</pre>	

Time Period Argument Parameters:



The screenshot shows the Addepar Analysis & Reporting interface. On the left, there's a sidebar with navigation links like 'All Firm', 'PORTFOLIOS', 'Prospects', 'Clients', 'Funds', 'Groups', 'Households', 'Legal Entities', 'Accounts', 'OTHER', 'Investments', and 'Contacts'. The main area shows a 'Details' view for 'Adam Smith' with a date range of '07-27-2020 - 08-27-2020'. Below this is an 'Asset Table' section with a tree view of asset classes: Alternative, Equity, Fixed Income, Cash & Cash Equivalent, Real Assets, Options, Unknown, Credit, and Total. An 'Edit Asset Table' dialog is open over the main content. The dialog has tabs for 'Asset Table', 'Advanced Table', and 'Pivot Table'. It shows a list of columns: Adjusted Value (USD), Adjusted % Of Portfolio (Visible), Adjusted Value (Reference Currency), Adjusted TWR (Current Quarter, USD), Adjusted TWR (8/27/2020 to 8/27/2020, USD), 1 Yr. Adjusted TWR (USD), 3 Yr. Annualized Adjusted TWR (USD), 5 Yr. Annualized Adjusted TWR (USD), Value (8/26/2020, USD), and TWR (8/27/2020 to 8/27/2020, USD). The 'Period' section is set to 'Static Time Period' with 'Start' and 'End' dates both set to '08-27-2020'. There are checkboxes for 'Annualized' and 'Use Adjusted Value'. Under 'Include Accrued Interest (if available)', 'True' is selected. The 'Aggregation' dropdown is set to 'Daily'. The 'Currency' dropdown is set to 'USD'. The 'Exclude Fees' field is empty. The 'Choose All' field is checked. The 'Summary Data' dropdown is set to 'Do Not Include'. To the right of the dialog, a preview table shows historical data for the specified period, including columns for 'VALUATION (8/26/2020 USD)' and percentage changes for each year.

VALUATION (8/26/2020 USD)	5.87% \$150,989.72	7.22% \$96,272.42	(0.80%) \$43,138.92	2.09% \$21,737.64	0.00% \$8,012.00	17.88% \$1,811.23	(90.93%) \$504.90	(10.13%) (\$12,000,000)	5.18% \$310,466.85	1.84%	14.12%	5.36%	10.71%	7.72%
5.87% \$150,989.72	7.22% \$96,272.42	(0.80%) \$43,138.92	2.09% \$21,737.64	0.00% \$8,012.00	17.88% \$1,811.23	(90.93%) \$504.90	(10.13%) (\$12,000,000)	5.18% \$310,466.85	1.84%	14.12%	5.36%	10.71%	7.72%	

Time Period (In-App)

PARAMETER	DESCRIPTION	EXAMPLE
current (default)	Current Time Period.	"period": "current"
<time_point> to <time_point>	Custom Time Period.	"period": "P2M ago (exact) to 2020-06-30"
inception to start	Inception to Current Start Date.	"period": "inception to start"
relative P	Relative Time Period.	"period": "relative P5Y"
since inception	Since Inception Time Period.	"period": "since inception"
<date:YYYY-MM-DD> to <date:YYYY-MM-DD>	Static Time Period.	"period": "2019-12-31 to 2020-03-31"
trailing P	Trailing Time Period.	"period": "trailing P5Y"

Interval & Rounding Legend:

- interval values
- rounding_types values
- time_point values

Example:

REQUEST	RESPONSE
<pre>POST https://examplefirm.addepar.com/api/v1/portfolio/query</pre>	
<pre>{ "data":{ "type":"portfolio_query", "attributes":{ "columns":[{ "key":"time_weighted_return", "arguments":{ "period":"trailing P5Y" } }], "groupings":[{ "key":"asset_class" }], "portfolio_type":"FIRM", "portfolio_id":1, "start_date":"2018-06-30", "end_date":"2018-09-30" } } }</pre>	

What's Next



Addepar is a wealth management platform that specializes in data aggregation, analytics and performance reporting.

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